

**To:** Brown, Anthony R (RM)[anthony.brown@bp.com]  
**Cc:** lily tavassoli (tavassoli.lily@epa.gov)[tavassoli.lily@epa.gov]; Black, Ned[Black.Ned@epa.gov]; Cory Koger[Cory.S.Koger@usace.army.mil]; Dana Barton[Barton.Dana@epa.gov]; Darrel Cruz 2[Darrel.Cruz@washoetribe.us]; David Friedman[dfriedman@ndep.nv.gov]; Doug Carey[douglas.carey@waterboards.ca.gov]; Fred K[fredk@aeseinc.com]; Gary Riley[Riley.Gary@epa.gov]; Greg Reller[gr@burlesonconsulting.com]; Joshua Wirtschafter (Wirtschafter.Joshua@epa.gov)[Wirtschafter.Joshua@epa.gov]; Ken Maas[kmaas@fs.fed.us]; Lombardi, Marc (marc.lombardi@amecfw.com)[marc.lombardi@amecfw.com]; Michelle Hochrein[michelle.hochrein@washoetribe.us]; Patty Cubanski[pc@burlesonconsulting.com]; Serda, Sophia[Serda.Sophia@epa.gov]; Steve Hampton[Steve.Hampton@wildlife.ca.gov]; Thomas Maurer[thomas\_maurer@fws.gov]; Toby McBride[toby\_mcbride@fws.gov]  
**From:** Deschambault, Lynda  
**Sent:** Tue 4/18/2017 11:35:28 PM  
**Subject:** EPA comments on 2017 Snowmelt Monitoring and Mod to Evaporation Pan  
[170406 2017 Snowmelt Evap Compiled.pdf](#)  
[EPA Comments on SnowMeltSampling\\_04.18.17.pdf](#)

Dear Mr. Brown

The U.S. Environmental Protection Agency (EPA) has reviewed the Proposed 2017 Snowmelt Runoff Monitoring and Modifications to the Evaporation Pan Monitoring Program, Leviathan Mine Site, Alpine County, California (TSAP) prepared on behalf of the Atlantic Richfield Company (ARC) by AMEC, dated April 6, 2017. This work was submitted to EPA pursuant to Administrative Order for Remedial Investigation and Feasibility Study, Leviathan Mine, Alpine County, California (CERCLA Docket No. 2008-18, June 23, 2008).

EPA approves the ARC snowmelt monitoring plan, and concurs with removal of the evaporation pan, and requests that ARC access the site and install the sampling equipment as early in April as possible.

If you have any questions, please feel free to contact me at (415) 947-4183 or [Deschambault.lynda@epa.gov](mailto:Deschambault.lynda@epa.gov).

Best Regards,

Lynda Deschambault  
Environmental Scientist  
USEPA Region 09  
(415) 947-4183

Please be advised I may have limited access to email , therefore please be patient with any communication delays.

**From:** Lombardi, Marc [<mailto:Marc.Lombardi@amecfw.com>]  
**Sent:** Thursday, April 06, 2017 7:19 AM  
**To:** Deschambault, Lynda <[Deschambault.Lynda@epa.gov](mailto:Deschambault.Lynda@epa.gov)>  
**Cc:** Brown, Anthony R (RM) <[anthony.brown@bp.com](mailto:anthony.brown@bp.com)>; Riley, Gary <[riley.gary@epa.gov](mailto:riley.gary@epa.gov)>; Hillenbrand, John <[Hillenbrand.John@epa.gov](mailto:Hillenbrand.John@epa.gov)>; DCarey@waterboards.ca.gov; Block, Nathan <[Nathan.Block@bp.com](mailto:Nathan.Block@bp.com)>; Cohen, Adam <[Adam.Cohen@dgsllaw.com](mailto:Adam.Cohen@dgsllaw.com)>; Sandy Riese (<[sriese@ensci-inc.com](mailto:sriese@ensci-inc.com)>) <[sriese@ensci-inc.com](mailto:sriese@ensci-inc.com)>; Grant Ohland - (<[gohland@ohlandhydrogeo.com](mailto:gohland@ohlandhydrogeo.com)>) <[gohland@ohlandhydrogeo.com](mailto:gohland@ohlandhydrogeo.com)>; McCarthy, Dave T (Copper Environmental Consulting) <[dave.mccarthy@copperenv.com](mailto:dave.mccarthy@copperenv.com)>; Cory Koger <[Cory.S.Koger@usace.army.mil](mailto:Cory.S.Koger@usace.army.mil)>; Greg Reller <[gr@burlesonconsulting.com](mailto:gr@burlesonconsulting.com)>; Michelle Hochrein (<[michelle.hochrein@washoetribe.us](mailto:michelle.hochrein@washoetribe.us)>) <[michelle.hochrein@washoetribe.us](mailto:michelle.hochrein@washoetribe.us)>; Fred E. Kirschner (<[fredk@aeseinc.com](mailto:fredk@aeseinc.com)>) <[fredk@aeseinc.com](mailto:fredk@aeseinc.com)>; Jefferson, Jill <[Jill.Jefferson@amecfw.com](mailto:Jill.Jefferson@amecfw.com)>  
**Subject:** Leviathan Mine - Proposed 2017 Snowmelt Runoff Monitoring and Modifications to Evaporation Pan Monitoring Program

Lynda,

On behalf of Atlantic Richfield, Amec Foster Wheeler is submitting the attached *Proposed 2017 Snowmelt Runoff Monitoring and Modifications to Evaporation Pan Monitoring Program* for the Leviathan Mine Site in Alpine County, California. Hardcopy to follow.

Should you have any questions or comments please contact Tony Brown at (657) 529-4537 or [anthony.brown@bp.com](mailto:anthony.brown@bp.com).

Thanks,

Marc

**From:** Lombardi, Marc [<mailto:Marc.Lombardi@amecfw.com>]

**Sent:** Tuesday, April 04, 2017 4:48 PM

**To:** Deschambault, Lynda <[Deschambault.Lynda@epa.gov](mailto:Deschambault.Lynda@epa.gov)>; 'Brown, Anthony R (RM)' <[anthony.brown@bp.com](mailto:anthony.brown@bp.com)>

**Cc:** Black, Ned <[Black.Ned@epa.gov](mailto:Black.Ned@epa.gov)>; Cory Koger <[Cory.S.Koger@usace.army.mil](mailto:Cory.S.Koger@usace.army.mil)>; Barton, Dana <[Barton.Dana@epa.gov](mailto:Barton.Dana@epa.gov)>; Darrel Cruz 2 <[Darrel.Cruz@washoetribe.us](mailto:Darrel.Cruz@washoetribe.us)>; David Friedman <[dfriedman@ndep.nv.gov](mailto:dfriedman@ndep.nv.gov)>; Doug Carey <[douglas.carey@waterboards.ca.gov](mailto:douglas.carey@waterboards.ca.gov)>; Fred K <[fredk@aeseinc.com](mailto:fredk@aeseinc.com)>; Riley, Gary <[riley.gary@epa.gov](mailto:riley.gary@epa.gov)>; Greg Reller <[gr@burlesonconsulting.com](mailto:gr@burlesonconsulting.com)>; Wirtschaftfer, Joshua <[Wirtschaftfer.Joshua@epa.gov](mailto:Wirtschaftfer.Joshua@epa.gov)>; Ken Maas <[kmaas@fs.fed.us](mailto:kmaas@fs.fed.us)>; Michelle Hochrein <[michelle.hochrein@washoetribe.us](mailto:michelle.hochrein@washoetribe.us)>; Patty Cubanski <[pc@burlesonconsulting.com](mailto:pc@burlesonconsulting.com)>; Serda, Sophia <[Serda.Sophia@epa.gov](mailto:Serda.Sophia@epa.gov)>; Steve Hampton <[Steve.Hampton@wildlife.ca.gov](mailto:Steve.Hampton@wildlife.ca.gov)>; Thomas Maurer <[thomas\\_maurer@fws.gov](mailto:thomas_maurer@fws.gov)>; Toby McBride <[toby\\_mcbride@fws.gov](mailto:toby_mcbride@fws.gov)>; Cohen, Adam <[Adam.Cohen@dgslaw.com](mailto:Adam.Cohen@dgslaw.com)>; Sandy Riese ([sriese@ensci-inc.com](mailto:sriese@ensci-inc.com)) <[sriese@ensci-inc.com](mailto:sriese@ensci-inc.com)>; Jefferson, Jill <[Jill.Jefferson@amecfw.com](mailto:Jill.Jefferson@amecfw.com)>; Grant Ohland - ([gohland@ohlandhydrogeo.com](mailto:gohland@ohlandhydrogeo.com)) <[gohland@ohlandhydrogeo.com](mailto:gohland@ohlandhydrogeo.com)>

**Subject:** RE: Surface water and Storm water monitoring

Lynda,

Atlantic Richfield agrees that snowmelt samples should be collected this spring consistent with the optimized On-Property surface water monitoring program. However, as has been true in prior years, samples cannot be collected until the automated sampling devices are re-installed at the designated monitoring locations. It will not be possible to reinstall the equipment by April 11. Atlantic Richfield will be providing EPA with a detailed letter later this week describing our specific plans and schedule for performing snowmelt runoff monitoring once site conditions allow for safe access. We look forward to receiving U.S. EPA's timely review and approval of those plans.

If you have any questions or comments, please contact Tony Brown at (657) 529-4573 or [anthony.brown@bp.com](mailto:anthony.brown@bp.com).

Thanks,

Marc

**From:** Deschambault, Lynda

**Sent:** Tuesday, April 04, 2017 10:41 AM

**To:** 'Brown, Anthony R (RM)' <[anthony.brown@bp.com](mailto:anthony.brown@bp.com)>

**Cc:** Black, Ned <[Black.Ned@epa.gov](mailto:Black.Ned@epa.gov)>; Cory Koger <[Cory.S.Koger@usace.army.mil](mailto:Cory.S.Koger@usace.army.mil)>; Dana Barton <[Barton.Dana@epa.gov](mailto:Barton.Dana@epa.gov)>; Darrel Cruz 2 <[Darrel.Cruz@washoetribe.us](mailto:Darrel.Cruz@washoetribe.us)>; David Friedman <[dfriedman@ndep.nv.gov](mailto:dfriedman@ndep.nv.gov)>; Doug Carey <[douglas.carey@waterboards.ca.gov](mailto:douglas.carey@waterboards.ca.gov)>; Fred K <[fredk@aeseinc.com](mailto:fredk@aeseinc.com)>; Gary Riley <[Riley.Gary@epa.gov](mailto:Riley.Gary@epa.gov)>; Greg Reller <[gr@burlesonconsulting.com](mailto:gr@burlesonconsulting.com)>; Joshua Wirtschafter ([Wirtschafter.Joshua@epa.gov](mailto:Wirtschafter.Joshua@epa.gov)) <[Wirtschafter.Joshua@epa.gov](mailto:Wirtschafter.Joshua@epa.gov)>; Ken Maas <[kmaas@fs.fed.us](mailto:kmaas@fs.fed.us)>; Lombardi, Marc ([marc.lombardi@amecfw.com](mailto:marc.lombardi@amecfw.com)) <[marc.lombardi@amecfw.com](mailto:marc.lombardi@amecfw.com)>; Michelle Hochrein <[michelle.hochrein@washoetribe.us](mailto:michelle.hochrein@washoetribe.us)>; Patty Cubanski <[pc@burlesonconsulting.com](mailto:pc@burlesonconsulting.com)>; Serda, Sophia <[Serda.Sophia@epa.gov](mailto:Serda.Sophia@epa.gov)>; Steve Hampton <[Steve.Hampton@wildlife.ca.gov](mailto:Steve.Hampton@wildlife.ca.gov)>; Thomas Maurer <[thomas\\_maurer@fws.gov](mailto:thomas_maurer@fws.gov)>; Toby McBride <[toby\\_mcbride@fws.gov](mailto:toby_mcbride@fws.gov)>

**Subject:** RE: Surface water and Storm water monitoring

Dear Mr. Brown,

I don't believe EPA has heard back from you regarding our email dated 3/28/17. Below.

Please let us know if you concur with our request for sampling as early as next week?

Lynda

**From:** Deschambault, Lynda

**Sent:** Tuesday, March 28, 2017 5:21 PM

**To:** 'Brown, Anthony R (RM)' <[anthony.brown@bp.com](mailto:anthony.brown@bp.com)>

**Cc:** Black, Ned <[Black.Ned@epa.gov](mailto:Black.Ned@epa.gov)>; Cory Koger <[Cory.S.Koger@usace.army.mil](mailto:Cory.S.Koger@usace.army.mil)>; Dana Barton <[Barton.Dana@epa.gov](mailto:Barton.Dana@epa.gov)>; Darrel Cruz 2 <[Darrel.Cruz@washoetribe.us](mailto:Darrel.Cruz@washoetribe.us)>; David Friedman <[dfriedman@ndep.nv.gov](mailto:dfriedman@ndep.nv.gov)>; Doug Carey <[douglas.carey@waterboards.ca.gov](mailto:douglas.carey@waterboards.ca.gov)>; Fred K <[fredk@aeseinc.com](mailto:fredk@aeseinc.com)>; Gary Riley <[Riley.Gary@epa.gov](mailto:Riley.Gary@epa.gov)>; Greg Reller <[gr@burlesonconsulting.com](mailto:gr@burlesonconsulting.com)>; Joshua Wirtschafter ([Wirtschafter.Joshua@epa.gov](mailto:Wirtschafter.Joshua@epa.gov)) <[Wirtschafter.Joshua@epa.gov](mailto:Wirtschafter.Joshua@epa.gov)>; Ken Maas <[kmaas@fs.fed.us](mailto:kmaas@fs.fed.us)>; Lombardi, Marc ([marc.lombardi@amecfw.com](mailto:marc.lombardi@amecfw.com)) <[marc.lombardi@amecfw.com](mailto:marc.lombardi@amecfw.com)>; Michelle Hochrein <[michelle.hochrein@washoetribe.us](mailto:michelle.hochrein@washoetribe.us)>; Patty Cubanski <[pc@burlesonconsulting.com](mailto:pc@burlesonconsulting.com)>; Serda, Sophia <[Serda.Sophia@epa.gov](mailto:Serda.Sophia@epa.gov)>; Steve Hampton <[Steve.Hampton@wildlife.ca.gov](mailto:Steve.Hampton@wildlife.ca.gov)>; Thomas Maurer <[thomas\\_maurer@fws.gov](mailto:thomas_maurer@fws.gov)>; Toby McBride <[toby\\_mcbride@fws.gov](mailto:toby_mcbride@fws.gov)>

**Subject:** Surface water and Storm water monitoring

Dear Mr. Brown

ARC's April 24, 2015 letter to EPA, regarding optimization of select On-Property monitoring programs (attached) clarified that ARC will "...defer snowmelt runoff sampling and surface water sampling until average or above-average snowpack occurs...". Under the On Property FRI work plan, EPA requests that ARC provide a summary table of samples to be collected, figure showing sample locations, and implement the following snowmelt and surface water monitoring:

- **SNOWMELT:** Within the next 14 days or by April 11<sup>th</sup> samples to be collected at the four (4) storm water and snowmelt monitoring locations in the Aspen Creek and Leviathan Creek study areas; as well as Station 17; during peak snowmelt time
- **SURFACE WATER:** And also within the next forty days or by May 10<sup>th</sup> please conduct surface water monitoring; down to and including Station 25.

This request is in partial fulfillment of the requirements of the Statement of Work attached to the Administrative Order for Remedial Investigation and Feasibility Study (Unilateral Administrative Order), Comprehensive Environmental Response, Compensation, and Liability Act Docket No. 2008-18 issued by the EPA on June 23,

2008.

Best Regards,

Lynda Deschambault

Environmental Scientist

USEPA Region 09

(415) 947-4183

Please be advised I may have limited access to email , therefore please be patient with any communication delays.